CONTENTS

No. 1 (February)

Swimming-associated outbreak of *Escherichia coli* O157:H7
Paunio, M., Pebody, R., Keskimäki, M., Kokki, M., Ruutu, P., Oinonen, S., Vuotari, V., Siitonen, A., Lahti, E. and Leinikki, P. 1

Presence of campylobacter and salmonella in sand from bathing beaches
Bolton, F. J., Surman, S. B., Martin, K., Wareing, D. R. A. and Humphrey, T. J. 7

The risk of Guillain–Barré syndrome following infection with *Campylobacter jejuni*
McCarthy, N., Andersson, Y., Jormanainen, V., Gustavsson, O. and Giesecke, J. 15

Phage type conversion in *Salmonella enterica* serotype Enteritidis caused by the introduction of a resistance plasmid of incompatibility group X (IncX)
Brown, D. J., Baggesen, D. L., Platt, D. J. and Olsen, J. E. 19

Enteropathogenic bacteria in faecal swabs of young children fed on lactic acid-fermented cereal gruels
Kingamkono, R., Sjögren, E. and Svanberg, U. 23

Molecular typing of *Salmonella* serotype Thompson strains isolated from human and animal sources
Chisholm, S. A., Crichton, P. B., Knight, H. I. and Old, D. C. 33

Is group C meningococcal disease increasing in Europe? A report of surveillance of meningococcal infection in Europe 1993–6
Connolly, M. and Noah, N. on behalf of the European Meningitis Surveillannce Group 41

Factors associated with pharyngeal carriage of *Neisseria meningitidis* among Israel Defense Force personnel at the end of their compulsory service
Block, C., Gdalevich, M., Buber, R., Ashkenazi, I., Ashkenazi, S. and Keller, N. 51

Clinical and epidemiological features of group A streptococcal bacteraemia in a region with hyperendemic superficial streptococcal infection
Carapetis, J. R., Walker, A. M., Hibble, M., Striprakash, K. S. and Currie, B. J. 59

Proteinuria is associated with persistence of antibody to streptococcal M protein in Aboriginal Australians
Goodfellow, A. M., Hoy, W. E., Sriprakash, K. S., Daly, M. J., Reeve, M. P. and Mathews, J. D. 67

Epidemiology of *Streptococcus pneumoniae* infection in Malaysia
Rohani, M. Y., Raudzah, A., Ng, A. J., Ng, P. P., Zaidatul, A. A. R., Asmah, I., Murtaza, M., Parasakthy, N., Mohd Yasmin, M. Y. and Cheong, Y. M. 77

Diarrhoea prevention in Bolivia through point-of-use water treatment and safe storage: a promising new strategy
Quick, R. E., Venczel, L. V., Mintz, E. D., Soleto, L., Aparicio, J., Gironaz, M., Hutwagner, L., Greene, K., Bopp, C., Maloney, K., Chavez, D., Sobsey, M. and Tauxe, R. V. 83

Active infection with *Helicobacter pylori* in healthy couples
Brenner, H. Rothenbacher, D., Bode, G., Dieudonné, P. and Adler, G. 91

Assessing the sensitivity of STD surveillance in the Netherlands: an application of the capture–recapture method
Reintjes, R., Termorshuizen, F. and Van de Laar, M. J. W. 97

Automated outbreak detection: a quantitative retrospective analysis
Stern, L. and Lightfoot, D. 103

Epidemiology of *Chlamydia pneumoniae* infection in a randomly selected population in a developing country
O'Neill, C., Murray, L. J., Ong, G. M. L., O'Reilly, D. P. J., Evans, A. E. and Bamford, K. B. 111

Seroprevalence of IgG antibodies to the chlamydia-like microorganism 'Simkania Z' by ELISA
Friedman, M. G., Galil, A., Greenberg, S. and Kahane, S. 117

Acute hepatitis B infection in England and Wales: 1985–96
Balogun, M. A., Ramsay, M. E., Fairley, C. K., Collins, M. and Heptonstall, J. 125

The prevalence of hepatitis B infection in adults in England and Wales
Gay, N. J., Hesketh, L. M., Osborne, K. P., Farrington, C. P , Morgan-Capner, P. and Miller, E. 133

Seroprevalence of hepatitis B virus, hepatitis C virus and GB virus-C infections in Siberia
Ohba, K., Mizokami, M., Kato, T., Ueda, R., Gurtsenvitch, V., Senyuta, N., Syrtsev, A., Zoya, K., Yamashita, M. and Hayami, M. 139

A community outbreak of food-borne small round-structured virus gastroenteritis caused by a contaminated water supply
Brugha, R., Vipond, I. B., Evans, M. R., Sandifer, Q. D., Roberts, R. J., Salmon, R. L., Caul, E. O. and Mukerjee, A. E. 145
Molecular epidemiology of respiratory syncytial virus in The Gambia
Cane, P. A., Weber, M., Sanneh, M., Dackour, R., Pringle, C. R. and Whittle, H. 155
Changing epidemiology of dengue hemorrhagic fever in Thailand
Chareonsook, O., Foy, H. M., Teeraratkul, A. and Silarug, N. 161
Quantifying the risks of TB infection to cattle posed by badger excreta
Hutchings, M. R. and Harris, S. 167
Clonality of *Campylobacter sputorum* by paraureolyticus determined by macrorestriction profiling and biotyping, and evidence of long-term persistent infection in cattle
On, S. L. W., Ibrahim Atabay, H. and Corry, J. E. L. 175

Book Review
Topley & Wilson's Microbiology and Microbial Infections 183

No. 2 (April)

Lessons from a large outbreak of *Escherichia coli* O157:H7 infections: insights into the infectious dose and method of widespread contamination of hamburger patties
Tuttle, J., Gomez, T., Doyle, M. P., Wells, J. G., Zhao, T., Tauxe, R. V. and Griffin, P. M. 185
Temporal and geograpical distributions of reported cases of *Escherichia coli* O157:H7 infection in Ontario
Michel, P., Wilson, J. B., Martin, S. W., Clarke, R. C., McEwen, S. A. and Gyles, C. L. 193
Salmonellosis in North Thames (East), UK: associated risk factors
Banatvala, N., Cramp, A., Jones, I. R. and Feldman, R. A. 201
A Mexican restaurant-associated outbreak of *Salmonella* Enteritidis type 34 infections traced to a contaminated egg farm
McNeil, M. M., Sweat, L. B., Carter Jr, S. L., Watson, C. B., Holloway, J. T., Manning, R., Altekruse, S. F. and Blake, P. A. 209
A high proportion of *Vibrio cholerae* strains isolated from children with diarrhoea in Bangkok, Thailand are multiple antibiotic resistant and belong to heterogenous non-O1 non-O139 O-serotypes
Dalsgaard, A., Forslund, A., Bodhidatta, L., Serichantalergs, O., Pitarangsi, C., Pang, L., Shimada, T. and Echeverria, P. 217
Phages for methicillin-resistant *Staphylococcus aureus*: an international trial
Richardson, J. F., Rosdahl, V. T., van Leeuwen, W. J., Vickery, A. M., Vindel, A. and Witte, W. 227
Consequences of MRSA carriage in nursing home residents
Niclaes, L., Buntinx, F., Banuro, F., Lesaffre, E. and Heyrman, J. 235
Analysis of genomic diversity within the *Xr*-region of the protein A gene in clinical isolates of *Staphylococcus aureus*
Kobayashi, N., Urasawa, S., Uehara, N. and Watanabe, N. 241
Epidemiology of *Streptococcus pneumoniae* infections at the Edinburgh City Hospital: 1980–95
Kalima, P., Emmanuel, F. X. S. and Riordan, T. 251
Needlestick and sharps injuries among health-care workers in Taiwan
Guo, Y. L., Shiao, J., Chuang, Y. C. and Huang, K. Y. 259
Non-participation bias in unlinked anonymous HIV-prevalence surveys in England and Wales
Duong, T., Ades, A. E., Rogers, P. and Nicoll, A. 267
Transplacental transfer of measles and total IgG
Goncalves, G., Cutts, F. T., Hills, M., Rebelo-Andrade, H., Trigo, F. A. and Barros, H. 273
Molecular and serological characterization of adenovirus genome type 7h isolated in Japan
Hashido, M., Mukouyama, A., Sakae, K., Tsuzuki, H., Yamashita, T., Inada, T. and Inouye, S. 281
A variant of variola virus, characterized by changes in polypeptide and endonuclease profiles
Dumbell, K. R., Harper, L., Buchan, A., Douglass, N. J. and Bedson, H. S. 287
Determinants of antibodies to *Cryptosporidium* infection among gay and bisexual men with HIV infection
Caputo, C., Forbes, A., Frost, F., Sinclair, M. I., Kunde, T. R., Hoy, J. F. and Fairley, C. K. 291
The relationship between ocular toxoplasmosis and levels of specific toxoplasma antibodies
Chapman, D. J., Ashburn, D., Ogston, S. A. and Ho-Yen, D. O. 299

Poential contamination of drinking water with *Toxoplasma gondii* oocysts
Aramini, J. J., Stephen, C., Dubey, J. P., Engelstoft, C., Schwantje, H. and Ribble, C. S. 305
Amoebiasis among institutionalized psychiatric patients in Taiwan
Cheng, H. S. and Wang, L. C. 317
Evaluation of 16S, *map*1 and pCS20 probes for detection of *Cowdria* and *Ehrlichia* species
Allsopp, M. T. E. P., Hattingh, C. M., Vogel, S. W. and Allsopp, B. A. 323
Coagulase gene polymorphism of *Staphylococcus aureus* isolates from dairy cattle in different geographical areas
Su, C., Herbelin, C., Frieze, N., Skardova, O. and Sordillo, L. M. 329
Molecular typing of *Escherichia coli* O157:H7 (H-) isolates from cattle in Japan
Akiba, M., Masuda, T., Sameshima, T., Katsuda, K. and Nakazawa, M. 337
The shift of genetic subtypes of *Eschericha coli* O157:H7 isolates from cattle
Akiba, M., Sameshima, T. and Nakazawa, M. 343

Book Reviews
Bartonella and *Afipia* species emphasizing *Bartonella henselae* 347
Diagnostic Virology Protocols 348
Zoonoses 348
Deciphering Global Epidemics 348
STDs and AIDs in the Tropics 349

No. 3 (JUNE)

Invasive meningococcal disease among university undergraduates: association with universities providing relatively large amounts of catered hall accommodation
Neal, K. R., Nguyen-Van-Tam, J., Monk, P., O'Brien, S. J., Stuart, J. and Ramsay, M. 351
A case-control study of sporadic infection with O157 and non-O157 verocytotoxin-producing *Escherichia coli*
Piérard, D., Crowcroft, N., de Bock, S., Potters, D., Crabbe, G., Van Loock, F. and Lauwers, S. 359
Molecular epidemiological investigation of an outbreak of *Campylobacter jejuni* identifies a dominant clonal line within Scottish serotype HS55 populations
Harrington, C. S., Thomson-Carter, F. M. and Carter, P. E. 367
An outbreak of *Salmonella typhimurium* DT170 associated with kebab meat and yoghurt relish
Evans, M. R., Salmon, R. L., Nehaul, L., Mably, S., Wafford, L., Nolan-Farrell, M. Z., Gardner, D. and Ribeiro, C. D. 377
Outbreaks of salmonellosis associated with eating uncooked tomatoes: implications for public health
Hedberg, C. W., Angulo, F. J., White, K. E., Langkop, C. W., Schell, W. L., Stobierski, M. G., Schuchat, A., Besser, J. M., Dietrich, S., Helsel, L., Griffin, P. M., McFarland, J. W., Osterholm, M. T. and The Investigation Team 385
Virulence of *Salmonella enterica* serotype Enteritidis aflagellate and afimbriate mutants in a day-old chick model
Allen-Vercoe, E., Sayers, A. R. and Woodward, M. J. 395
Health risks associated wiith unpasteurized goats' and ewes' milk on retail sale in England and Wales. A PHLS Dairy Products Working Group Study*
Little, C. L. and de Louvois, J. 403
Surveying vendors of street-vended food: a new methodology applied in two Guatemalan cities
Mahon, B. E., Sobel, J., Townes, J. M., Mendoza, C., Gudiel Lemus, M., Cano, F. and Tauxe, R. V. 409
DNA restriction patterns produced by pulsed-field gel electrophoresis in *Moraxella catarrhalis* isolated from different geographical areas
Martinez, G., Ahmed, K., Zheng, C. H., Watanabe, K., Oishi, K. and Nagatake, T. 417
Leptospiral infection among primitive tribes of Andaman and Nicobar Islands
Sehgal, S. C., Vijayachari, P., Murhekar, M. V., Sugunan, A. P., Sharma, S. and Singh, S. S. 423
Antibody response to OspC-I synthetic peptide derived from outer surface protein C of *Borrelia burgdorferi* in sera from Japanese forestry workers
Ikushima, M., Yamada, F., Kawahashi, S., Okuyama, Y. and Matsui, K. 429

Molecular epidemiology of *Mycobacterium avium* complex isolated from patients with and without AIDS in Brazil and England
Telles, M. A. S., Yates, M. D., Curcio, M., Ueki, S. Y. M., Palaci, M., Hadad, D. J., Drobniewski, F. A. and Pozniak, A. L. 435
Measles in Vietnamese refugee children in Hong Kong
Taylor, W. R. J. 441
A major outbreak of hantavirus infection in Belgium in 1995 and 1996
Heyman, P., Vervoort, T., Colson, P., Chu, Y.-K., Avsic-Zupanc, T. and Lundkvist, Å. 447
Cowpox: reservoir hosts and geographic range
Chantrey, J., Meyer, H., Baxby, D., Bergon, M., Bown, K. J., Hazel, S. M., Jones, T., Montgomery, W. I. and Bennett, M. 455
Risk factors for *Plasmodium vivax* infection in the Lacandon forest, southern Mexico
Danis-Lozano, R., Rodriguez, M. H., Gonzalez-Ceron, L. and Hernandez-Avila, M. 461
The epidemiology of head lice and scabies in the UK
Downs, A. M. R., Harvey, I. and Kennedy, C. T. C. 471
Genetic subtyping of *Escherichia coli* O157 isolates from 41 Pacific Northwest USA cattle farms
Rice, D. H., McMenamin, K. M., Pritchett, L. C., Hancock, D. D. and Besser, T. E. 479
Sampling considerations for herd-level measurement of faecal *Escherichia coli* antimicrobial resistance in finisher pigs
Dunlop, R. H., McEwan, S. A., Meek, A. H., Friendship, R. M., Black, W. D. and Clarke, R. C. 485
Discrimination betweeen endemic and feedborne *Salmonella* Infantis infection in cattle by molecular typing
Lindqvist, N., Heinikainen, S., Toivonen, A.-M. and Pelkonen, S. 497
A comparison of wildlife control and cattle vaccination as methods for the control of bovine tuberculosis
Kao, R. R. and Roberts, M. G. 505
PCR–RFLP of outer membrane proteins gene of *Dichelobacter nodosus*: a new tool in the epidemiology of footrot
Ghimire, S. C. and Egerton, J. R. 521
Genetic analysis of type O viruses responsible for epidemics of food-and-mouth disease in North Africa
Samuel, A. R., Knowles, N. J. and Mackay, D. K. J. 529
Predicting the level of herd infection for outbreaks of foot-and-mouth disease in vaccinated herds
Hutber, A. M., Kitching, R. P. and Conway, D. A. 539
Pigs with highly prevalent antibodies to human coronavirus and swine haemagglutinating encephalomyelitis virus in the Tohoku District of Japan
Hirano, N., Suzuki, Y. and Haga, S. 545
Classical swine fever in Sardinia: epidemiology of recent outbreaks
Lowings, P., Ibata, G., De Mia, G. M., Rutili, D. and Paton, D. 553

Book Reviews

Urinary Tract Infections 561
Mycobacteria Protocols 562